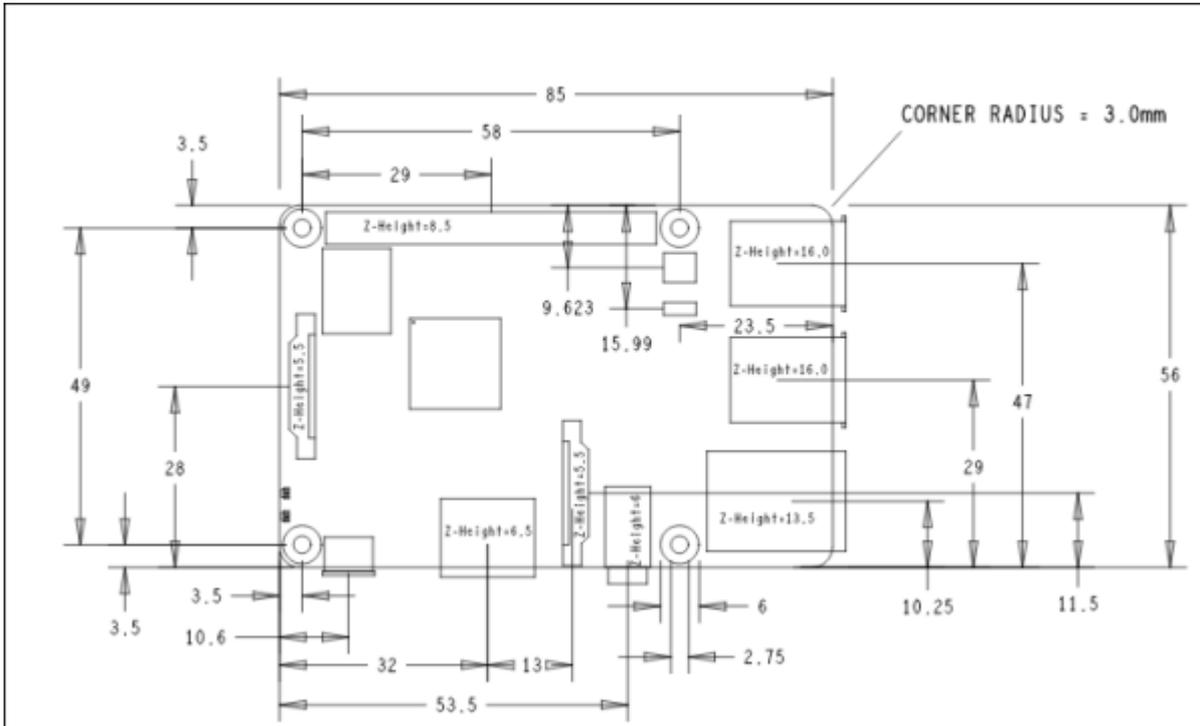


Gateway RAK831

Shield para conexión a Raspberry y GPS

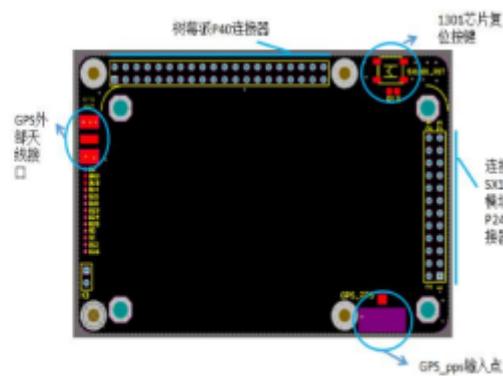
Medidas de raspberry pi 3 b+

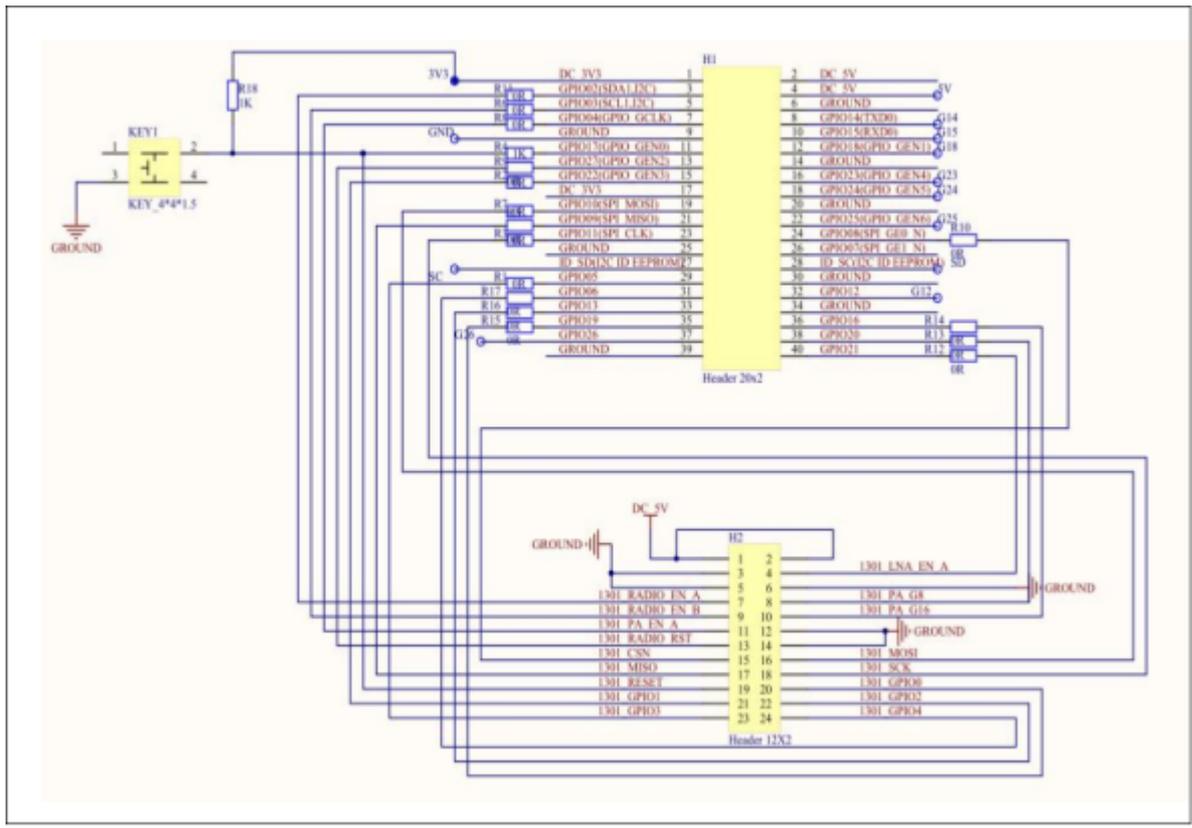


1、SX1301 模块管脚和树莓派管脚对照表

树莓派管脚列表		树莓派 ADP Pin 引脚对照表		SX1301 管脚列表	
引脚名称	BOARD Pin	引脚名称	BOARD Pin	引脚名称	DC, SW
3.3V	1	3.3V	1	PS1P2	DC, SW
GPIO 0	2	GPIO 0	2	GPIO 0	GPIO 0
GPIO 1	3	GPIO 1	3	GPIO 1	GPIO 1
GPIO 2	4	GPIO 2	4	GPIO 2	GPIO 2
GPIO 3	5	GPIO 3	5	GPIO 3	GPIO 3
GPIO 4	6	GPIO 4	6	GPIO 4	GPIO 4
GPIO 5	7	GPIO 5	7	GPIO 5	GPIO 5
GPIO 6	8	GPIO 6	8	GPIO 6	GPIO 6
GPIO 7	9	GPIO 7	9	GPIO 7	GPIO 7
GPIO 8	10	GPIO 8	10	GPIO 8	GPIO 8
GPIO 9	11	GPIO 9	11	GPIO 9	GPIO 9
GPIO 10	12	GPIO 10	12	GPIO 10	GPIO 10
GPIO 11	13	GPIO 11	13	GPIO 11	GPIO 11
GPIO 12	14	GPIO 12	14	GPIO 12	GPIO 12
GPIO 13	15	GPIO 13	15	GPIO 13	GPIO 13
GPIO 14	16	GPIO 14	16	GPIO 14	GPIO 14
GPIO 15	17	GPIO 15	17	GPIO 15	GPIO 15
GPIO 16	18	GPIO 16	18	GPIO 16	GPIO 16
GPIO 17	19	GPIO 17	19	GPIO 17	GPIO 17
GPIO 18	20	GPIO 18	20	GPIO 18	GPIO 18
GPIO 19	21	GPIO 19	21	GPIO 19	GPIO 19
GPIO 20	22	GPIO 20	22	GPIO 20	GPIO 20
GPIO 21	23	GPIO 21	23	GPIO 21	GPIO 21
GPIO 22	24	GPIO 22	24	GPIO 22	GPIO 22
GPIO 23	25	GPIO 23	25	GPIO 23	GPIO 23
GPIO 24	26	GPIO 24	26	GPIO 24	GPIO 24
GPIO 25	27	GPIO 25	27	GPIO 25	GPIO 25
GPIO 26	28	GPIO 26	28	GPIO 26	GPIO 26
GPIO 27	29	GPIO 27	29	GPIO 27	GPIO 27
GPIO 28	30	GPIO 28	30	GPIO 28	GPIO 28
GPIO 29	31	GPIO 29	31	GPIO 29	GPIO 29
GPIO 30	32	GPIO 30	32	GPIO 30	GPIO 30
GPIO 31	33	GPIO 31	33	GPIO 31	GPIO 31
GPIO 32	34	GPIO 32	34	GPIO 32	GPIO 32
GPIO 33	35	GPIO 33	35	GPIO 33	GPIO 33
GPIO 34	36	GPIO 34	36	GPIO 34	GPIO 34
GPIO 35	37	GPIO 35	37	GPIO 35	GPIO 35
GPIO 36	38	GPIO 36	38	GPIO 36	GPIO 36
GPIO 37	39	GPIO 37	39	GPIO 37	GPIO 37
GPIO 38	40	GPIO 38	40	GPIO 38	GPIO 38

2、管脚对应位置





Converter Board (Raspberry)

With Max-7Q GPS Module and GPS Antenna

- <https://hackaday.io/project/20482-designing-a-raspberry-pi-hat>

RAK 831 Pin	Description on silk screen	RPI physical pin
1	+5V	2
3	GND	6
19	RST (Resent pin)	22
18	SCK (SPI Clock)	23
17	MISO	21
16	MOSI	19
15	CSN (Chip Select)	24

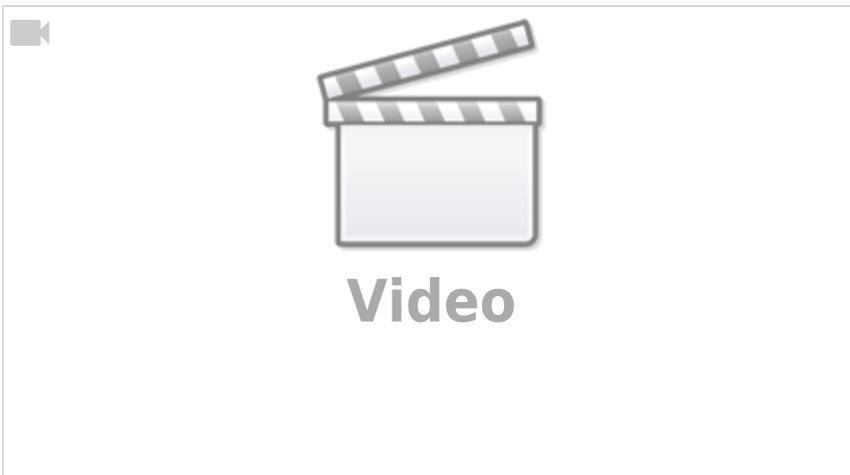
rpi v3 to rak 831 pin connection

Conexión a la raspberry pi

- <http://docs.rakwireless.com/cn/LoRa/RAK831-LoRa-Gateway/B应用笔记/转接板接线说明.pdf>
- <https://github.com/IRNAS/RPi-HAT-RAK831-PoE>
- **Antena** → <https://github.com/IRNAS/ttn-irnas-gw>

Referentes

- <https://github.com/RAKWireless/RAK2245-RAK831-LoRaGateway-RPi-Raspbian-OS>
- <https://www.thethingsnetwork.org/forum/t/the-hard-rak831-cafe-part-1/8464>
- <https://github.com/Edzelf/RAK831-LoRa-gateway/blob/master/LoRa%20gateway%20with%20Orange%20Pi%20and%20RAK831.pdf>
- https://github.com/xesscorp/RPi_Hat_Template





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